


RADIATION IMAGE DETECTOR AND RADIATION SHIELDING METHOD

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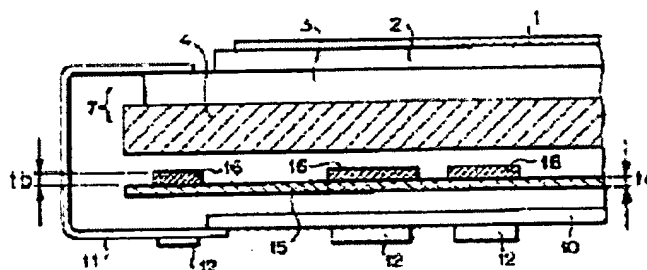
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Abstract of JP2003014862

PROBLEM TO BE SOLVED: To provide a relatively lightweight radiation image detector and a radiation shielding method in which flexible wiring or an IC element on an electric circuit board is prevented from being irradiated with radiation from a radiation source to cause erroneous operation of the IC element or deterioration in the characteristics thereof and deterioration of image quality due to scattering X-rays is prevented.

SOLUTION: An X-ray image detector comprises a sensor section 2 for storing X-rays irradiated from an X-ray source while converting into charges and transferring the charges, a member 7 for supporting the sensor section 2, and an electric circuit board 10 mounting an IC element 12 wherein a first X-ray shielding member 15 is disposed at a position corresponding to the effective area of the sensor section 2 and a second X-ray shielding member is divided into a plurality of sections each of which is disposed at a position corresponding to the in-plane position of the IC element 12 on the electric circuit board 10 being irradiated with X-rays thus absorbing or shielding a part of X-rays irradiated from the X-ray source.



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